

Listing of Claims:

Please cancel claims 1-33 and add the following new claims:

34. (New) A part for a motor vehicle, which part is adapted to house and transport a fuel comprising hydrocarbons, which part comprises:

a portion comprising plastic or rubber, which is permeable to hydrocarbons emitted from said fuel; and

a polytetrafluoroethylene coating bonded to a surface of the portion of plastic or rubber, which coating is disposed between the surface of the portion of plastic or rubber and said fuel, wherein said coating has a thickness of up to a few tens of microns; and wherein

said coating is sufficient to reduce the transmission of said emitted hydrocarbons through said coated part to not more than 2 g/24 hours.

35. (New) The part of Claim 34, wherein said portion comprises plastic.

36. (New) The part of Claim 34, wherein said portion comprises rubber.

37. (New) The part of Claim 34, wherein said portion comprising plastic or rubber is a pipe, and said polytetrafluoroethylene coating has a thickness of 10 to 35 μ m.

38. (New) The part of Claim 34, wherein said portion comprising plastic or rubber is an O-ring having an outer perimeter and an inner perimeter.

39. (New) The part of Claim 38, wherein the O-ring has a circumferential groove extending along the outer perimeter.

40. (New) The part of Claim 39, wherein the polytetrafluoroethylene coating is disposed on an entire exposed surface of said O-ring except in a region of said circumferential groove.

41. (New) The part of Claim 34, wherein said portion comprises nitrile PVC.

42. (New) The part of Claim 34, wherein said portion comprising plastic or rubber is a valve membrane comprising a rubber elastomer sheet, and said coating is disposed on said valve membrane.

43. (New) A method of reducing emission of hydrocarbons through a part of a motor vehicle, the part comprising a portion comprising plastic or rubber, and which is adapted to house a fuel comprising hydrocarbons, and which is permeable to hydrocarbons emitted from said fuel, said method comprising depositing a polytetrafluoroethylene coating on a surface of said portion comprising plastic or rubber in contact with said hydrocarbons, said coating having a thickness of up to about a few tens of microns, and which is sufficient to reduce hydrocarbon emission through said coated part to not more than 2g/24 hours.

44. (New) The method of Claim 43, wherein said depositing comprises spraying a liquid polytetrafluoroethylene onto said portion of said part comprising plastic or rubber.

45. (New) The method of Claim 43, wherein said depositing comprises depositing a composition comprising particles of polytetrafluoroethylene, at least one solvent and a bonding agent onto said portion of said part comprising plastic or rubber.

46. (New) The method of Claim 45, wherein said composition further comprises a pigment in an amount sufficient to color the polytetrafluoroethylene coating.

47. (New) The method of Claim 43, which comprises before said coating, molding said portion of said part comprising plastic or rubber.

48. (New) The method of Claim 43, wherein said polytetrafluoroethylene coating forms a layer thickness of 10 to 35 μ m.

49. (New) The method of Claim 43, wherein the portion of said part comprising plastic or rubber is made from a rubber elastomer.

50. (New) The method of Claim 45, which further comprises after said depositing, removing said solvent from said composition while on the surface of said portion, and baking the coating at a temperature sufficient for said particles of polytetrafluoroethylene to agglomerate together.

51. (New) The method of Claim 50, wherein said removing comprises evaporating said solvent at about 60°C, and said baking is effected at about 150°C.

52. (New) The method of Claim 51, wherein the portion of rubber or plastic has a softening point of higher than 180°C.

53. (New) A motor vehicle comprising a fuel system comprising a plurality of parts, said plurality of parts being adapted to contain a fuel comprising hydrocarbons for said motor vehicle, wherein:

at least one of said plurality of parts is permeable to vaporous hydrocarbons contained in said fuel, and has at least one surface exposed to hydrocarbon vapors; and wherein

said at least one of a plurality of parts having a portion comprising rubber or plastic has a polytetrafluoroethylene coating on a surface of said portion in contact with said hydrocarbons, and wherein said coating has a thickness of up to a few tens of microns, and which is sufficient to reduce the emission of said hydrocarbons through said coated part to not more than 2g/24 hours.

54. (New) The motor vehicle of Claim 53, wherein said at least one of said plurality of parts comprises a portion of plastic.

55. (New) The motor vehicle of Claim 54, wherein said at least one of said plurality of parts comprises a portion of rubber, which is an elastomer.